

AMENDMENTS TO THE CLAIMS:

Please replace the claims with the claims provided in the listing below wherein status, amendments, additions and cancellations are indicated.

1.-2. (Canceled)

3. (Original) A method of manufacturing a longitudinal microsolenoid, which comprises

a step A of stacking an insulating material on a substrate, coating a photosensitive material thereon, and exposing and then developing the photosensitive material using a mask C to form a spiral photosensitive material,

a step B of, after said step A, solidifying the photosensitive material by treatment at a high temperature, forming an insulating material under the photosensitive material into a spiral shape by etching, and stacking a metal on the substrate,

a step C of, after said step B, coating a photosensitive material, and exposing and developing the photosensitive material using a mask D to leave the photosensitive material covering only the metal on the base of the spiral structure, and

a step D of, after said step C, conducting high-temperature treatment,

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etching the metal that is exposed, and then removing the photosensitive material,

said mask C being such that a light-shielding film capable of controlling a light transmittance from 100% to 0% annularly and continuously is provided on a glass through which a light is transmitted by 100%, and such that said mask D has an annular light-shielding film with a light transmittance of 0%.

4.-7. (Canceled)

8. (Currently Amended) A microsolenoid manufactured by the method as claimed in ~~any one of claims 1 to 7~~ claim 3.